

## ABSTRACT

In a truss-type driving apparatus, the amplitude of each displacement member and the phase difference therebetween are detected, and by adjusting the amplitudes or the phases of the impressed voltages to drive the displacement members based on the results of such detection, the elliptical locus drawn by the synthesizing member of the truss-type driving apparatus during driving is adjusted such that the desired driving characteristics are obtained.

1. A truss-type driving apparatus comprising a plurality of displacement members, a synthesizing member, and a driving member, wherein the displacement members are driven by a driving member, and the synthesizing member is driven by the displacement members, and the driving member is driven by the synthesizing member.